

# **ELECTRICAL CONNECTOR LATCHING APPARATUS**

## **ABSTRACT OF THE DISCLOSURE**

An electrical connector latching apparatus comprises a supporting arm, a latching pivot formed at top portion of the supporting arm, an elastic arm formed at lower portion of the supporting arm, a base arm extending from the lower portion of the elastic arm and a free contact extending vertically from the base arm. A smooth curved surface forms at top portion of the latching pivot and a fixed support portion forms at bottom portion of the latching pivot. The smooth curved surface consists of at least two surfaces having different curvature, thereby the latching pivot slides into a pivot hole of the mated connector neatly. The latching pivot has an indentation-curved surface at its bottom to define the fixed support portion. An angle between the fixed support portion and the supporting arm is a special angle, so that the fixed support portion latches a mated connector firmly. Further the electrical connector contacts with the mated connector electrically and reliably.